



Rig: ISDL 453			
Field: Bream A			
Location: Bass Strait			
Well: BMA A10A			
Company: ESSO Australia Pty. Ltd.			
<div>Gamma Ray Service</div> <div>1:200 Measured Depth</div> <div>Real Time Log</div>			
Location			
API serial no.	Total depth:	3381.0 m	K.B. Top Drive
	Spud date:	03-May-2005	G.L. -59.40 m
	Runs:	1 To 2	D.F. 32.82 m
	Elevation		
Permanent datum:	Mean Sea Level	Elev.: 0 m	
Log measured from:	Drill Floor	32.82 m above Perm. datum	
Depth reference:	Driller's Depth		
Y = 5738460.34	Longitude	Latitude	
X = 567336.31	E147° 46' 19.976" S38° 29' 58.824"		

DISCLAIMER

THE USE OF AND RELIANCE UPON THIS RECORDED-DATA BY THE HEREIN NAMED COMPANY (AND ANY OF ITS AFFILIATES, PARTNERS, REPRESENTATIVES, AGENTS, CONSULTANTS AND EMPLOYEES) IS SUBJECT TO THE TERMS AND CONDITIONS AGREED UPON BETWEEN SCHLUMBERGER AND THE COMPANY, INCLUDING: (a) RESTRICTIONS ON USE OF THE RECORDED-DATA; (b) DISCLAIMERS AND WAIVERS OF WARRANTIES AND REPRESENTATIONS REGARDING COMPANY'S USE OF AND RELIANCE UPON THE RECORDED-DATA; AND (c) CUSTOMER'S FULL AND SOLE RESPONSIBILITY FOR ANY INFERENCE DRAWN OR DECISION MADE IN CONNECTION WITH THE USE OF THIS RECORDED-DATA.

OTHER SERVICES FOR RUN1 Directional Drilling Directional Surveys	OTHER SERVICES FOR RUN2 Directional Drilling Directional Surveys	OTHER SERVICES FOR RUN
<p>REMARKS: RUN NUMBER 1</p> <p>8-1/2 in. hole was drilled from 2270.5 m to 2751.0 m MD.</p> <p>Milling run 2258.2 m to 2270.5 m MD. Directional data only.</p> <p>Depth is referenced to Driller's Depth.</p> <p>Gamma Ray corrected for Tool Size, Bit Size and Mud Weight</p> <p>Mud Type is KCl/PHPA/Glycol.</p> <p>POOH due to bit change.</p>	<p>REMARKS: RUN NUMBER 2</p> <p>8-1/2 in. hole was drilled from 2751.0 m to 3381.0 m MD.</p> <p>Depth is referenced to Driller's Depth.</p> <p>Gamma Ray corrected for Tool Size, Bit Size and Mud Weight</p> <p>Mud Type is KCl/PHPA/Glycol.</p> <p>POOH due to TD of BMA A10A.</p>	<p>REMARKS: RUN NUMBER</p>

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EQUIPMENT DESCRIPTION

RUN1

RUN2

RUN

DOWNHOLE EQUIPMENT

DOWNHOLE EQUIPMENT

6-3/4 in. PowerPulse*
MDC: Z408
MEC: 1540
MDI: 1556
MGR: 146AA
DHS: V8.0B96

22.89

D&I

GR

18.60

17.96

6-5/8 in. NM Pony
S/N: ANA98-007

14.45

6-1/2 in. Float Sub
S/N: ASQ050427

11.81

8-3/8 in. NM Roller Reamer
S/N: GU2317R

11.18

7 in. PowerPak* Motor
A700GT 7:8
S/N: N7310
1.5 deg. Bent Housing
8-3/8 in. Motor Sleeve

9.19

6-3/4 in. PowerPulse*
MDC: Y927
MEC: 1533
MDI: 1565
MGR: 565-AA
DHS: V8.0B96

22.88

D&I

GR

18.56

17.91

6-5/8 in. NM Pony
S/N: ANA98-007

14.46

6-1/2 in. Float Sub
S/N: ASQ050427

11.82

8-3/8 in. NM Roller Reamer
S/N: GU2317R

11.19

7 in. PowerPak* Motor
A700GT 7:8
S/N: N7311
1.59 deg. Bent Housing
8-3/8 in. Motor Sleeve

9.20



0.00

0.22

Smith PDC Bit
OD: 8–1/2 in.
S73PX S/N: JT6968

Maximum string diameter 8.50 in.
All lengths in Meters



0.00

0.22

Hycalog PDC Bit
OD: 8–1/2 in.
RSX163 S/N: 209694

Maximum string diameter 8.50 in.
All lengths in Meters

Bit Run Summary

Run number		1	2							
Bit size	in.	8.5	8.5							
Bit start depth	m	2258.2	2751.0							
Bit end depth	m	2751.0	3381.0							
Top interval logged	m	2258.2	2733.04							
Bottom interval logged	m	2733.0	3363.1							
Begin log: time		22:30	13:10							
Begin log: date		5–May–05	9–May–05							
End log: time		16:45	3:30							
End log: date		8–May–05	13–May–05							
Mud data										
Depth	m	2738.0	3362.0							
Type		KCl/PHPA/Gly.	KCl/PHPA/Gly.							
Mud weight	ppg	10.00	10.10							
Solids	%	7.7	8.8							
Chlorides	mg/L	41,800	40,000							
Rm		N/A	N/A							
Rmf		N/A	N/A							
Rmc		N/A	N/A							
Potassium	%	4.2	4.2							
Environmental data										
GR										
Mud weight	ppg	10.00	10.10							
Bit size	in.	8.5	8.5							
Resistivity										
Neutron porosity										
Hole Size										
Mud weight										
Temperature										
Mud salinity										
Formation salinity										
Recording rate 1	SEC	4.19	4.19							
Recording rate 2	SEC	N/A	N/A							
Filtering GR		3 pt.	3 pt.							
Filtering density		N/A	N/A							
Filtering Neutron		N/A	N/A							
Company representative		W. Westman	J. MacKinnon	G. Campbell						
Anadrill personnel		D. Hastie	L. Johnston	C. Cocks	D. Hay					

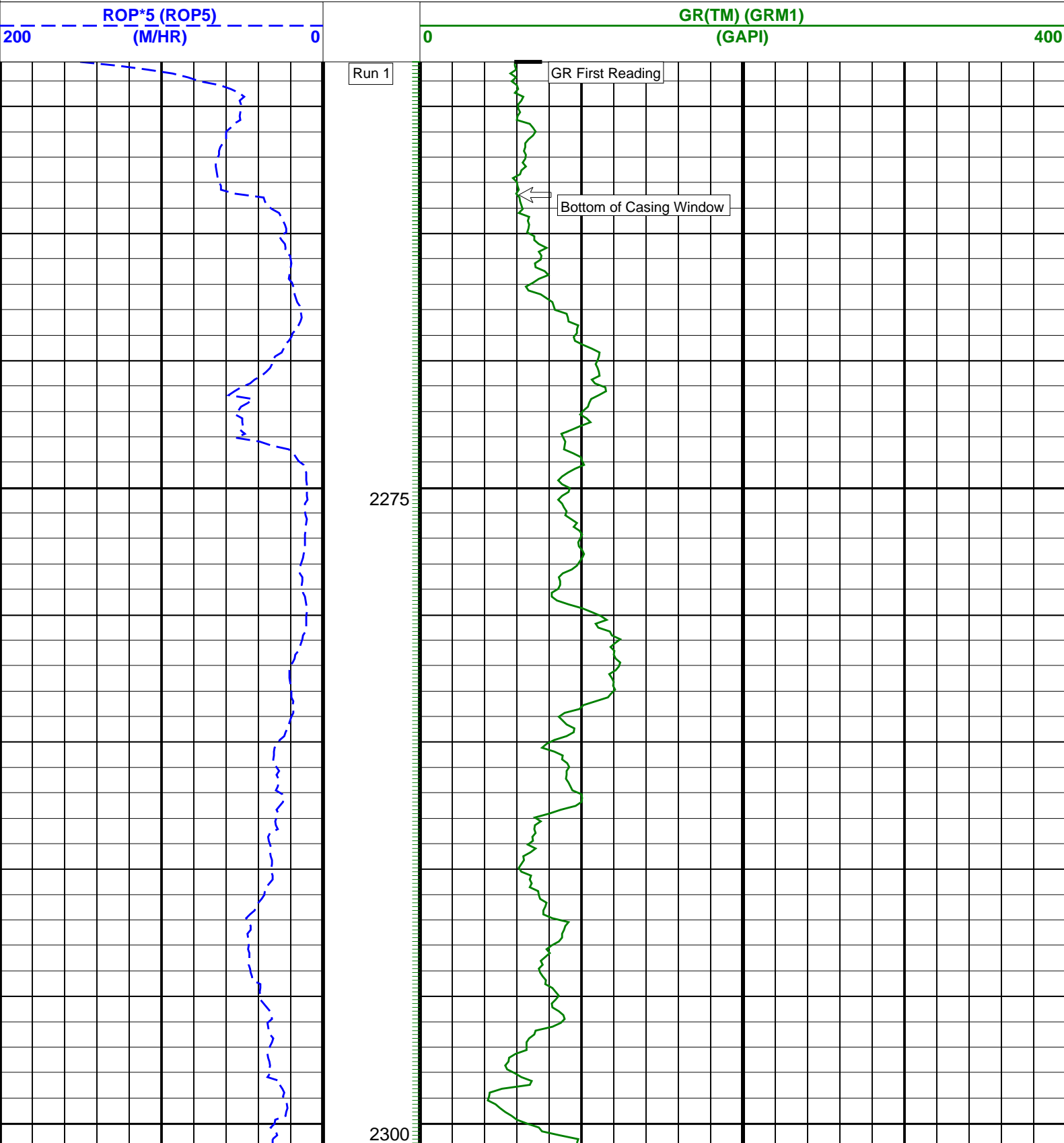
BMA A10A RT 1:200 MD

IDEAL Version: ID9_1C_02 <MD> Vertical Scale: 1:200

Graphics File Created: 14-May-2005 20:25

PIP SUMMARY

GR(TM) PIP





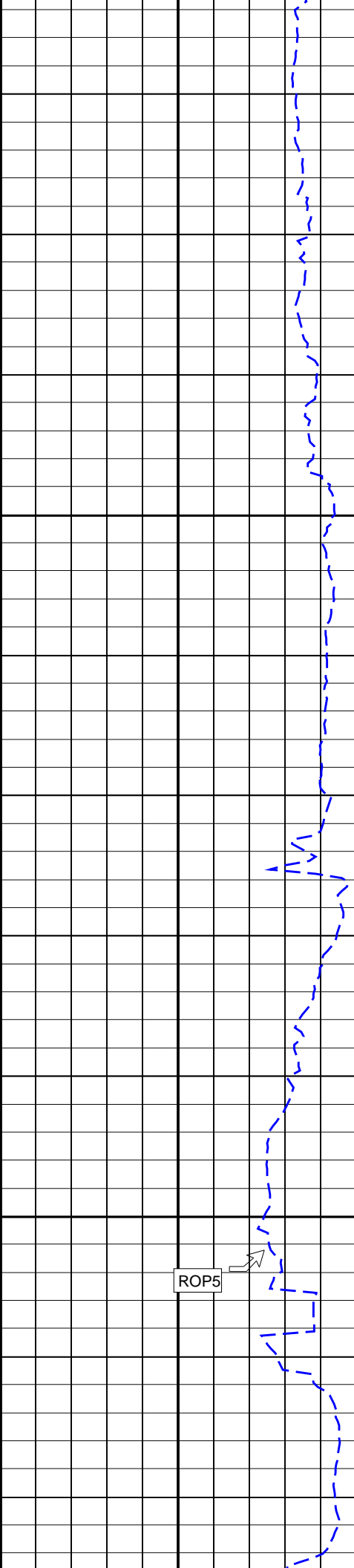
ROP5



GRM1

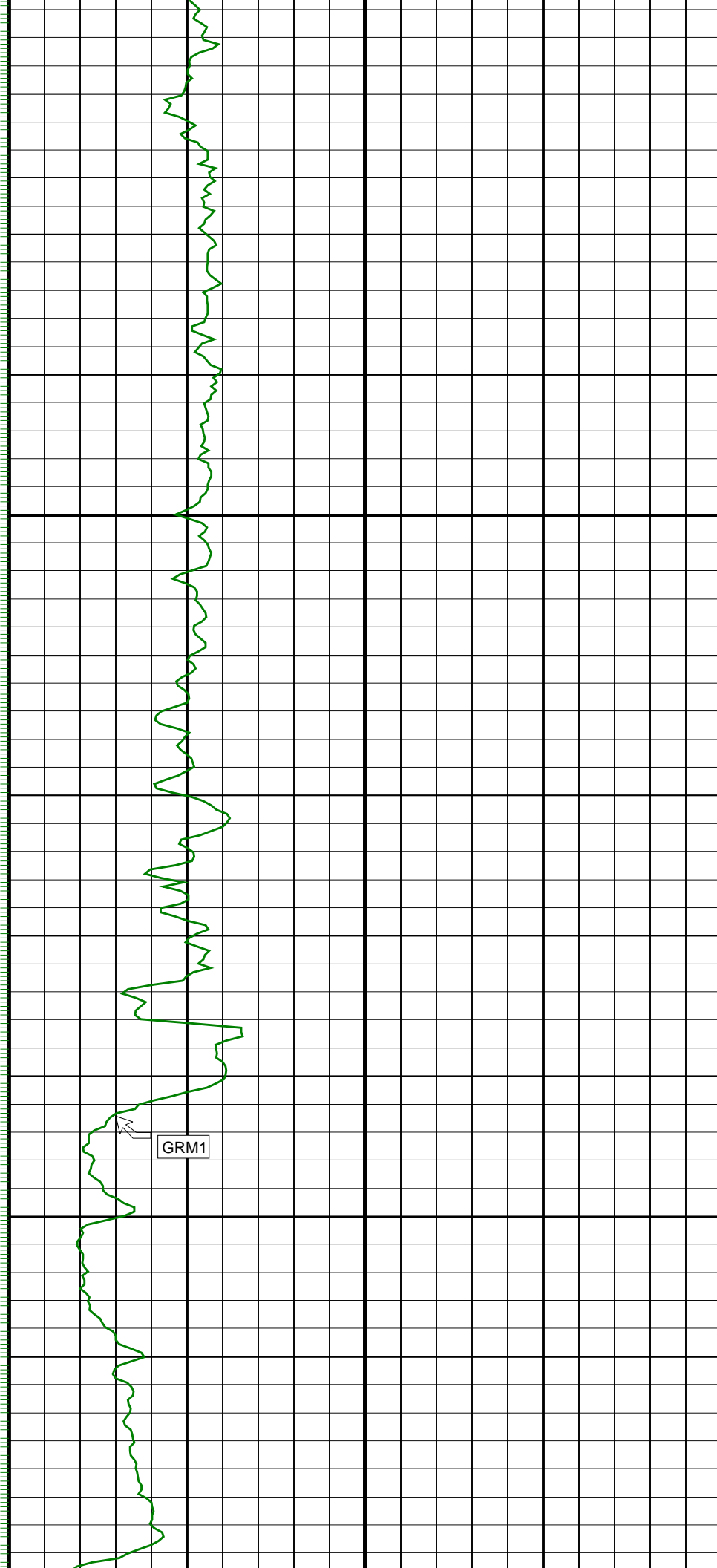
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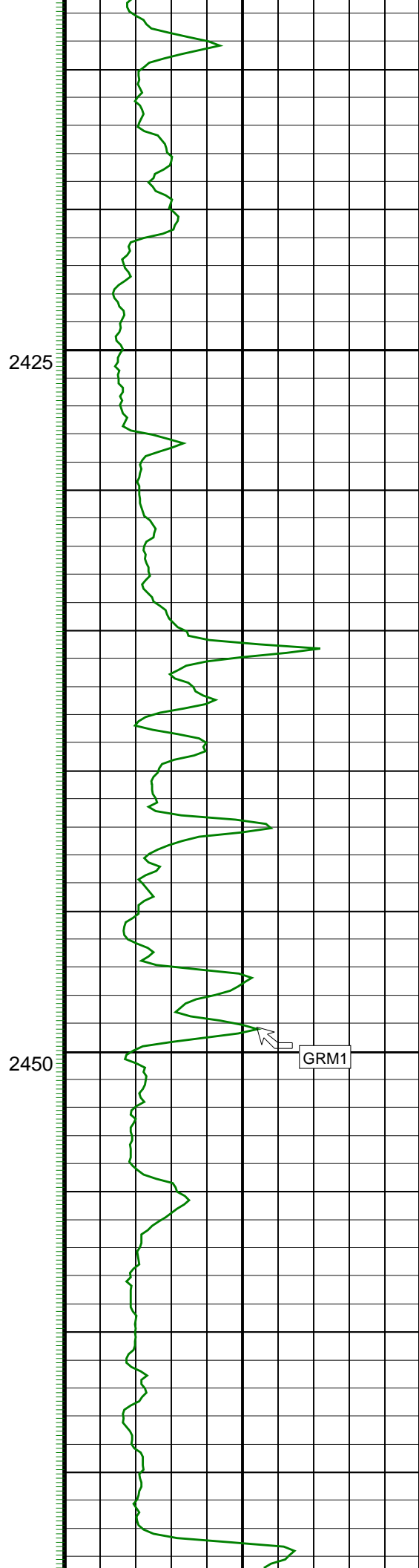
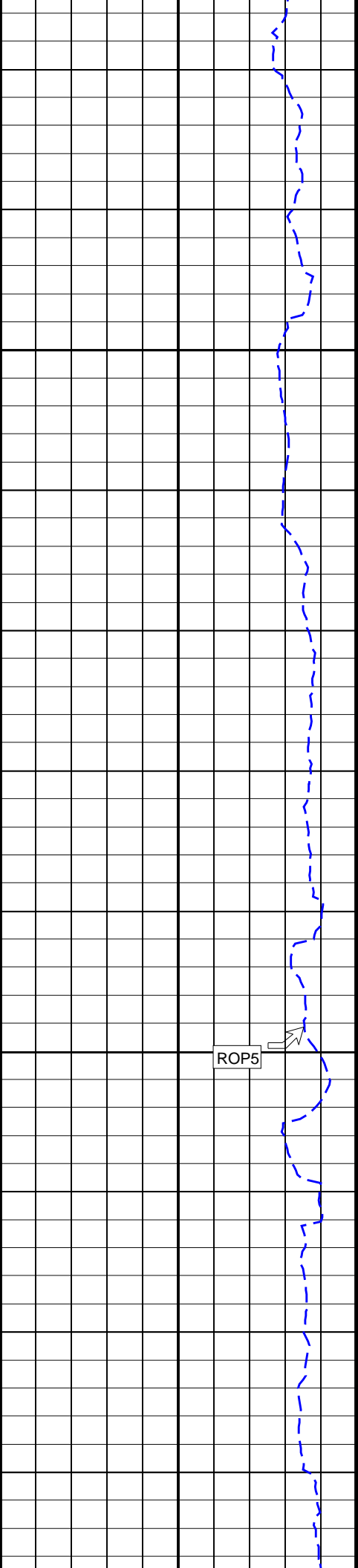
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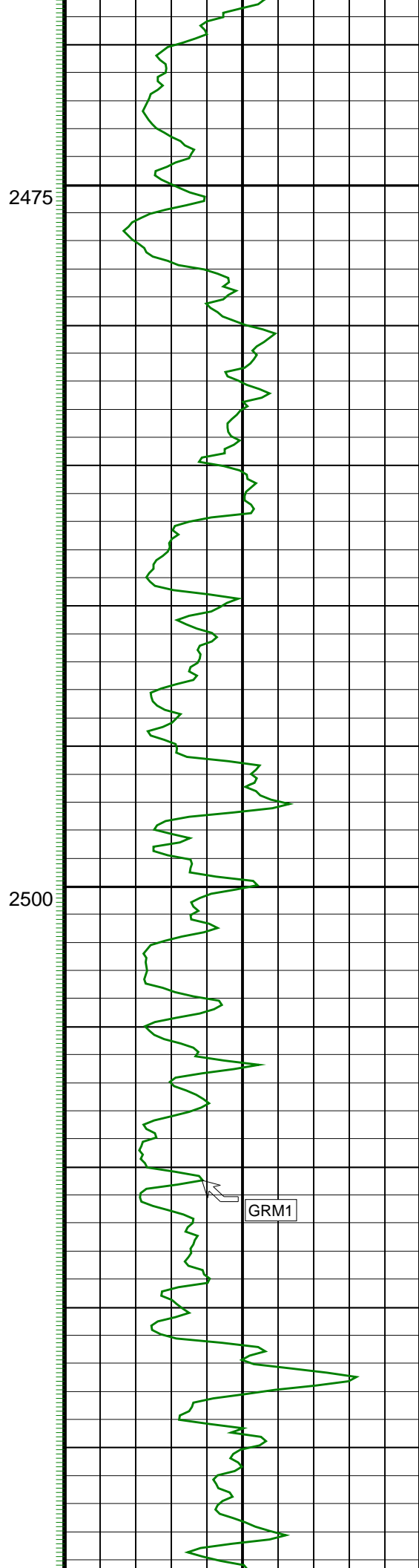
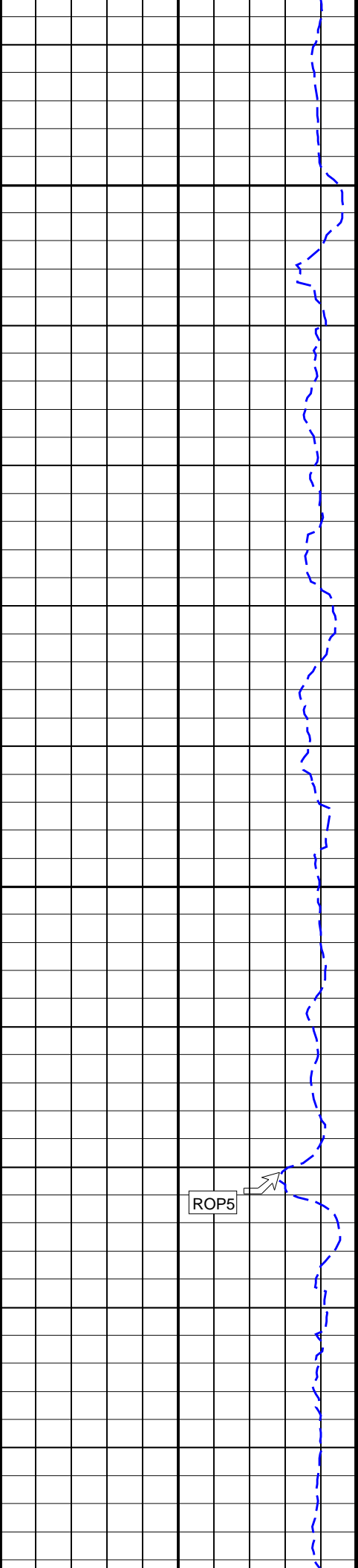


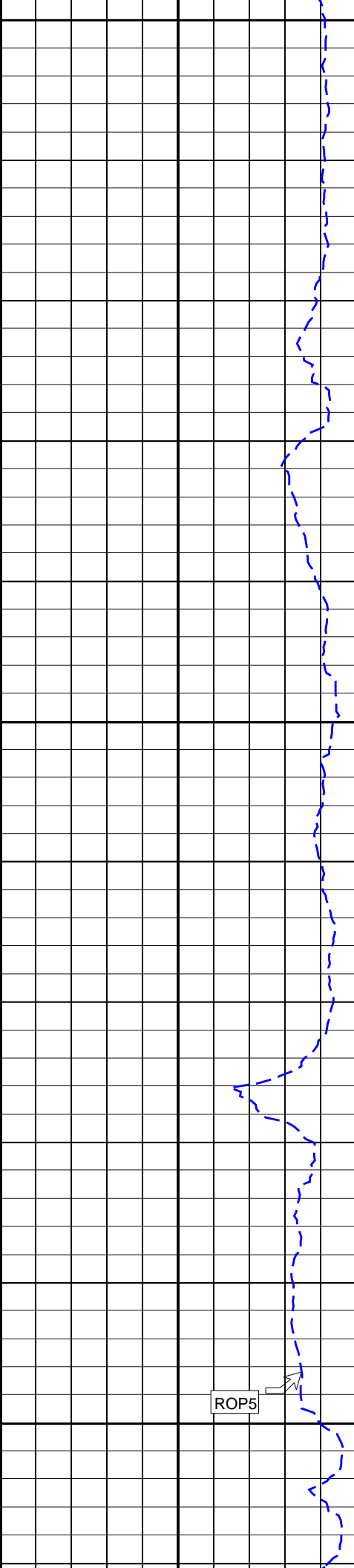
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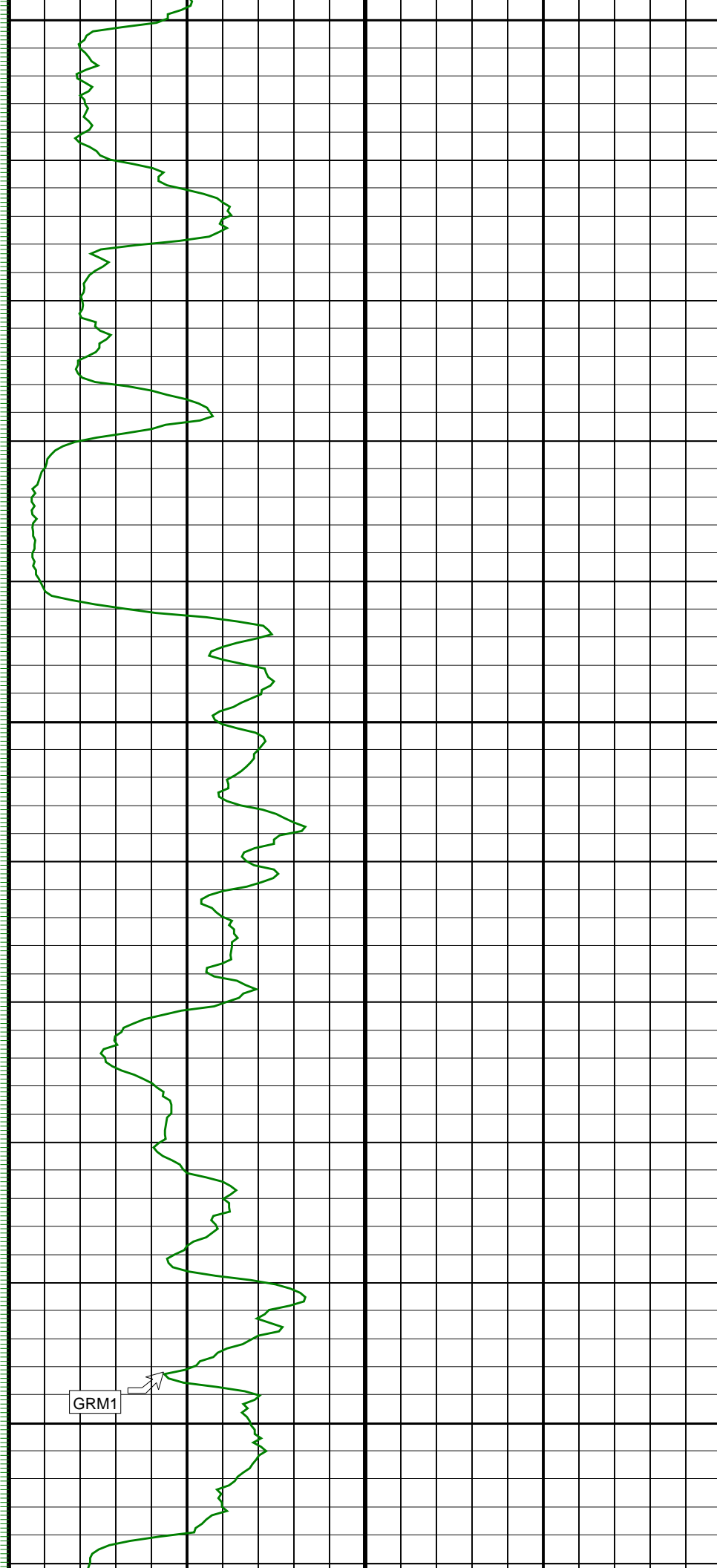


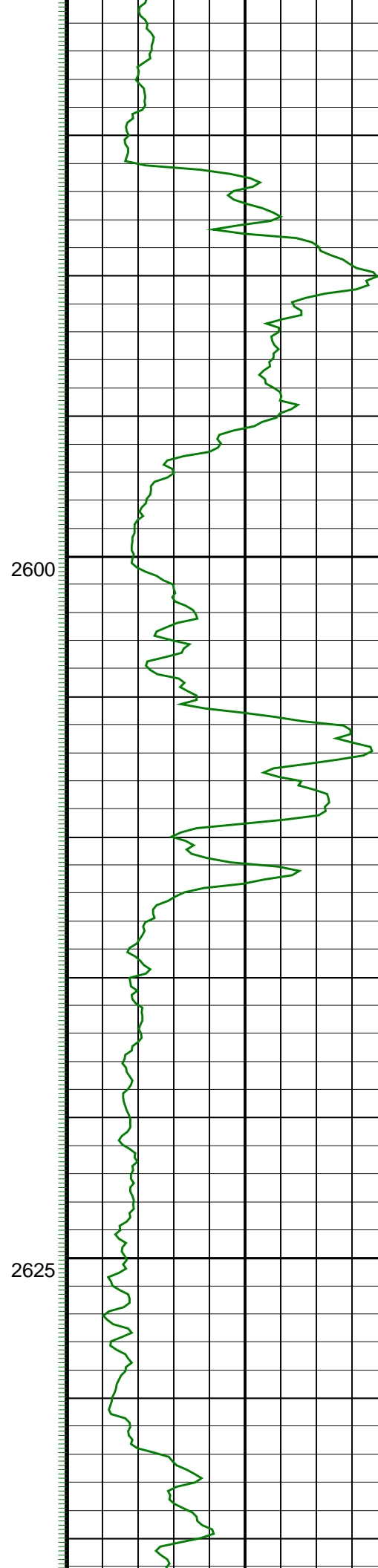
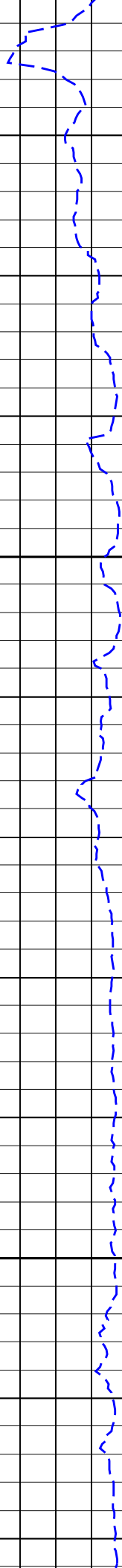


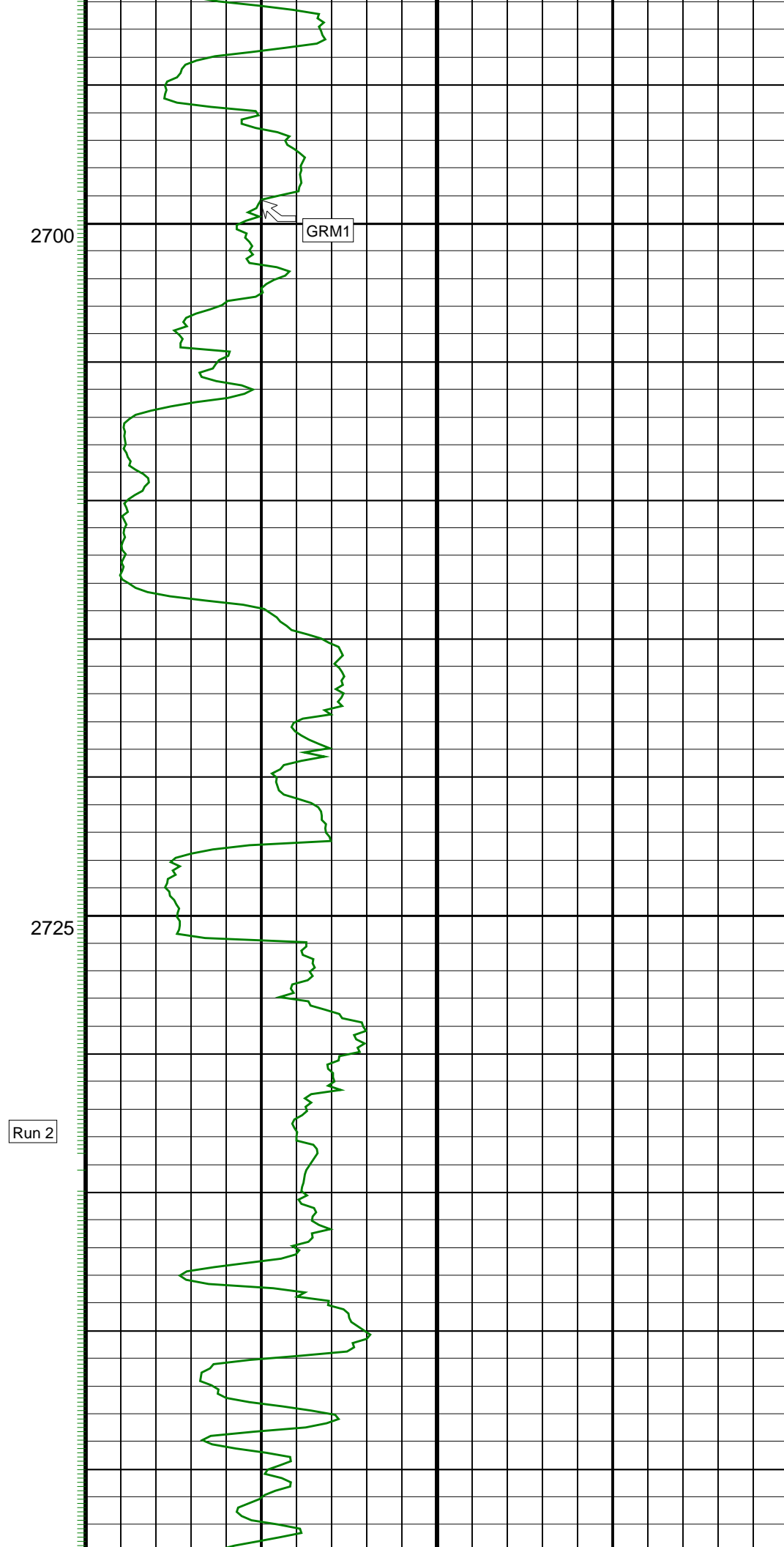
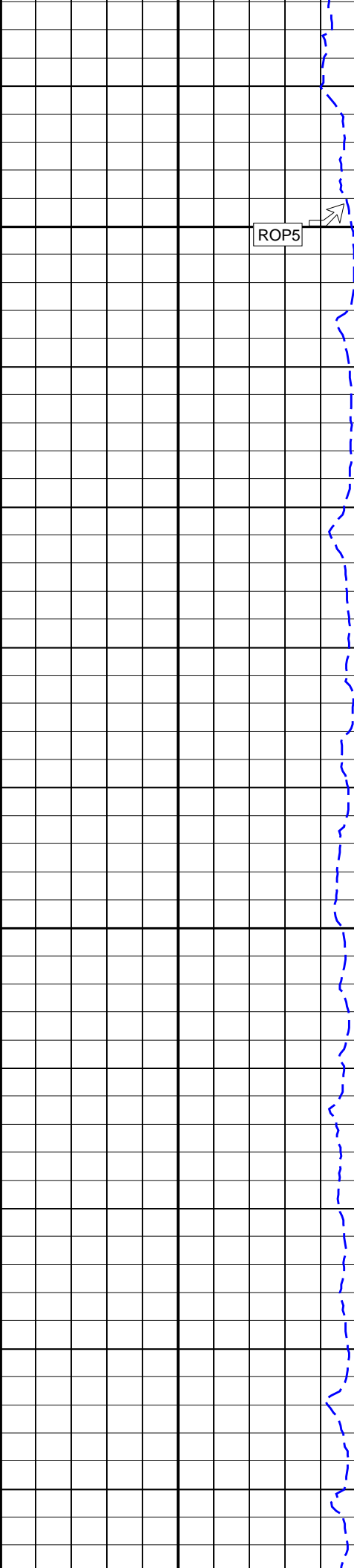
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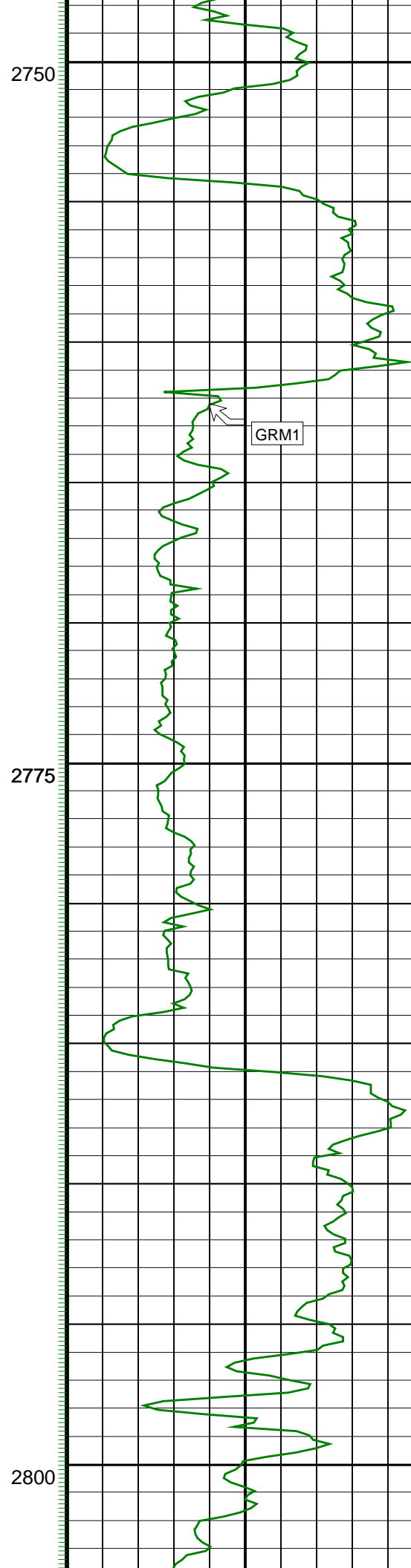
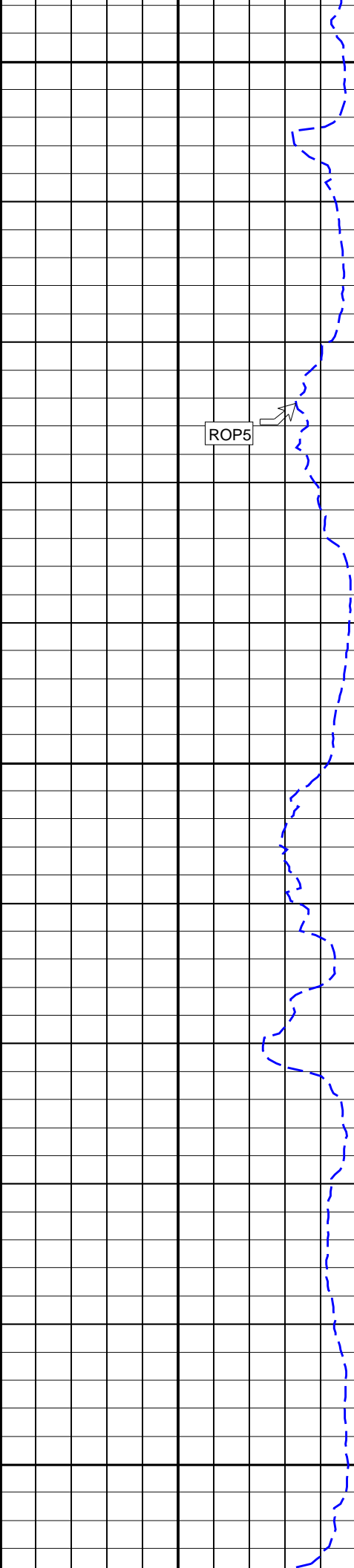
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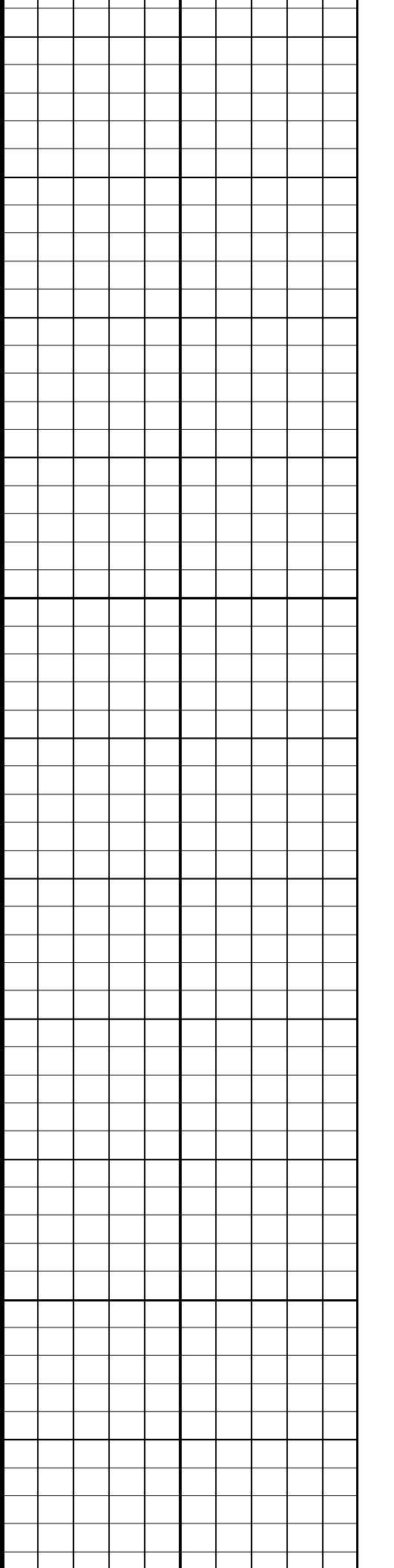
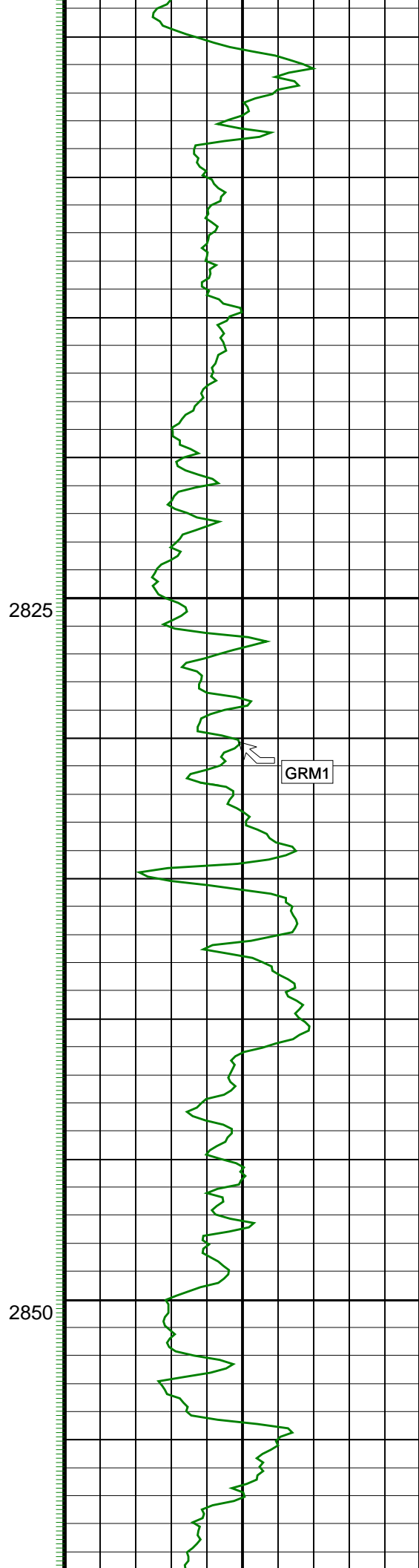
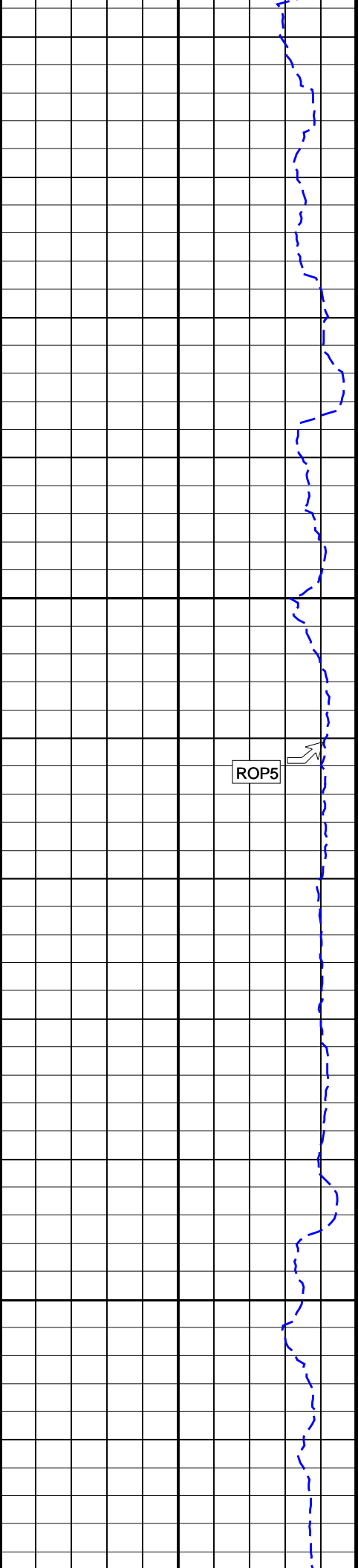
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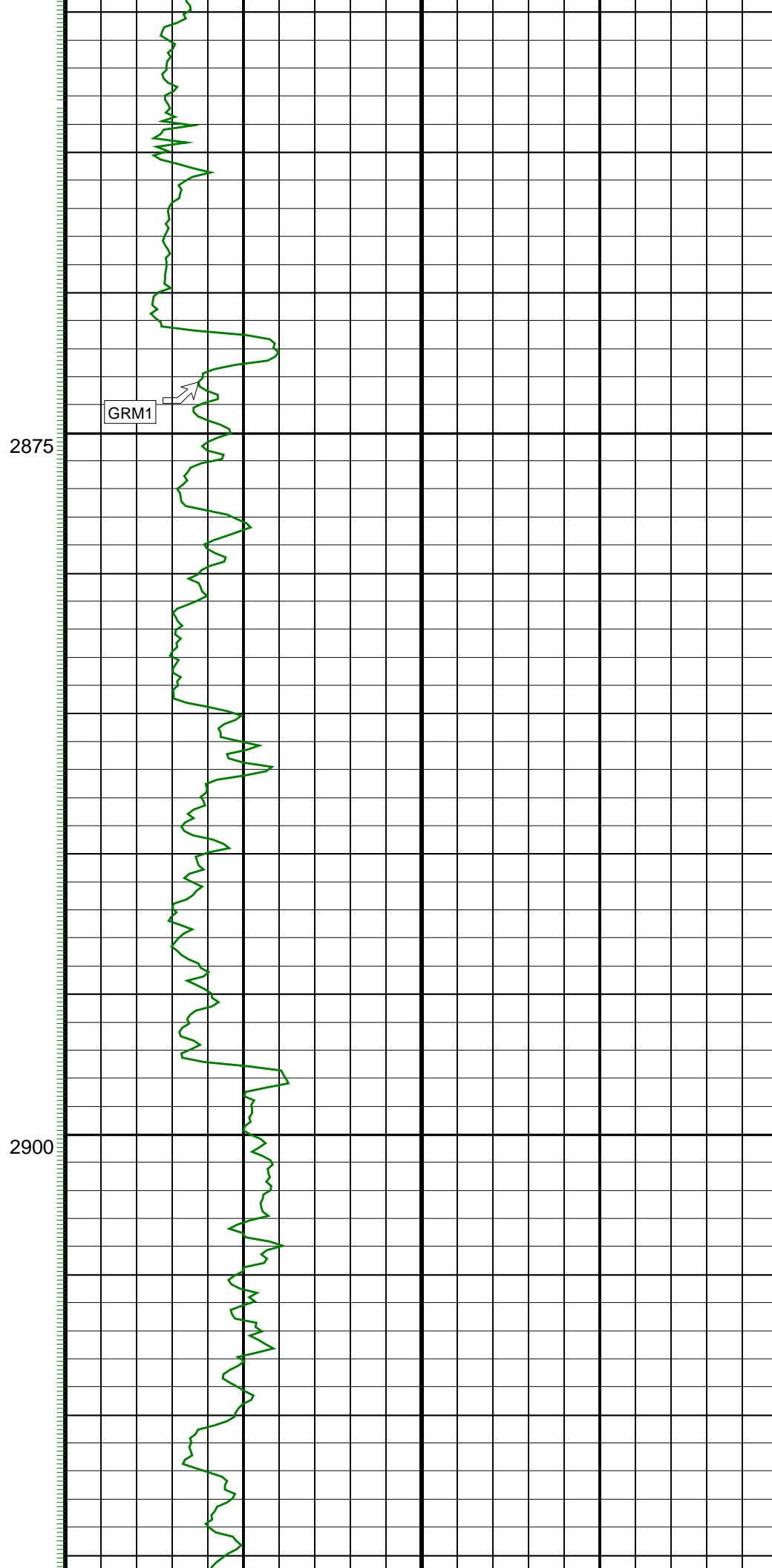
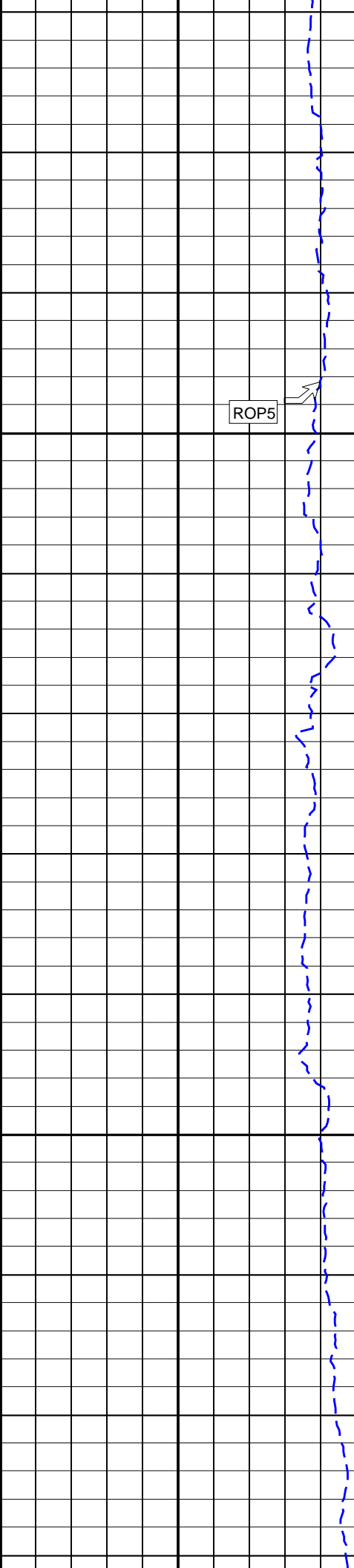


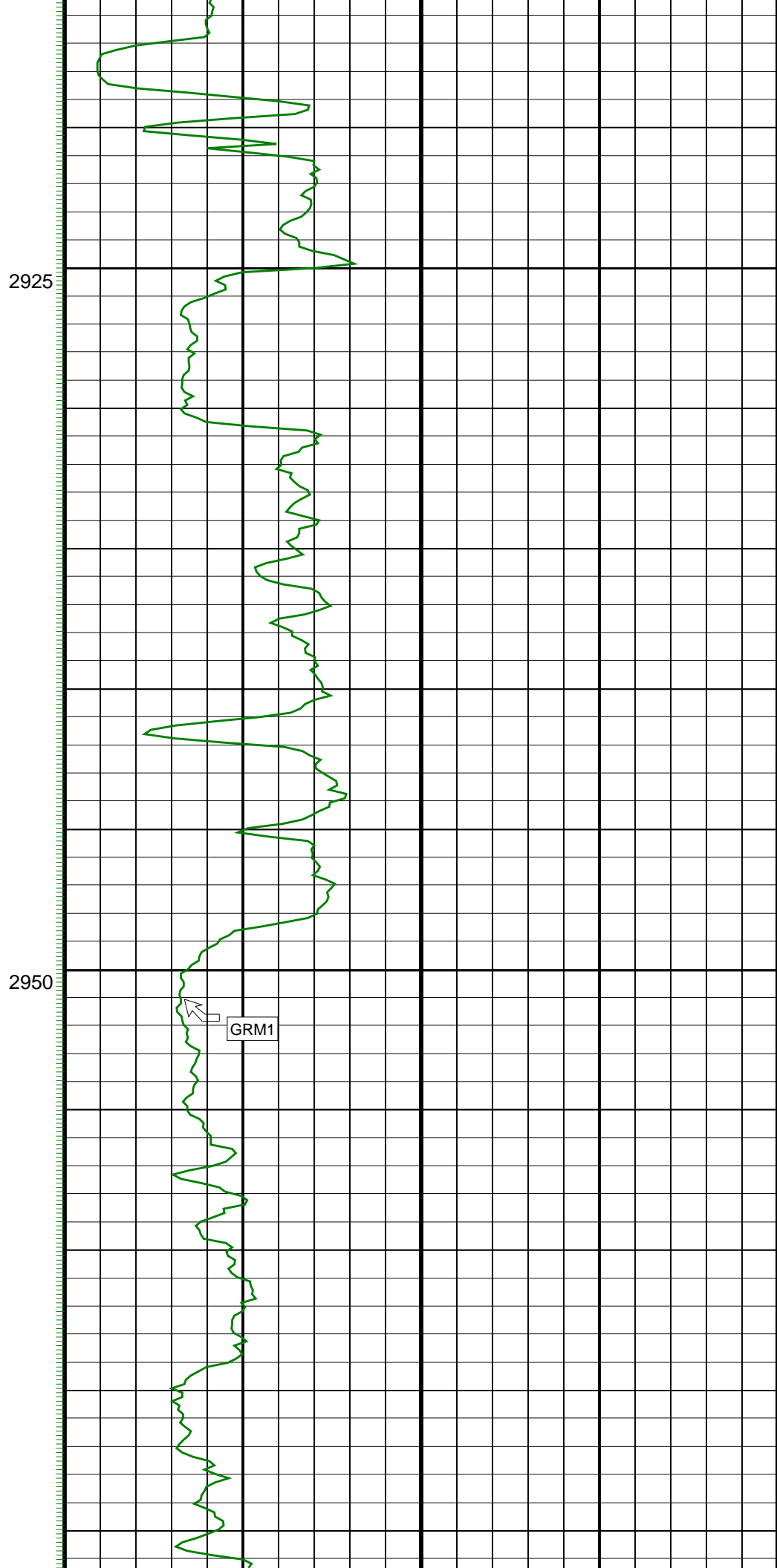
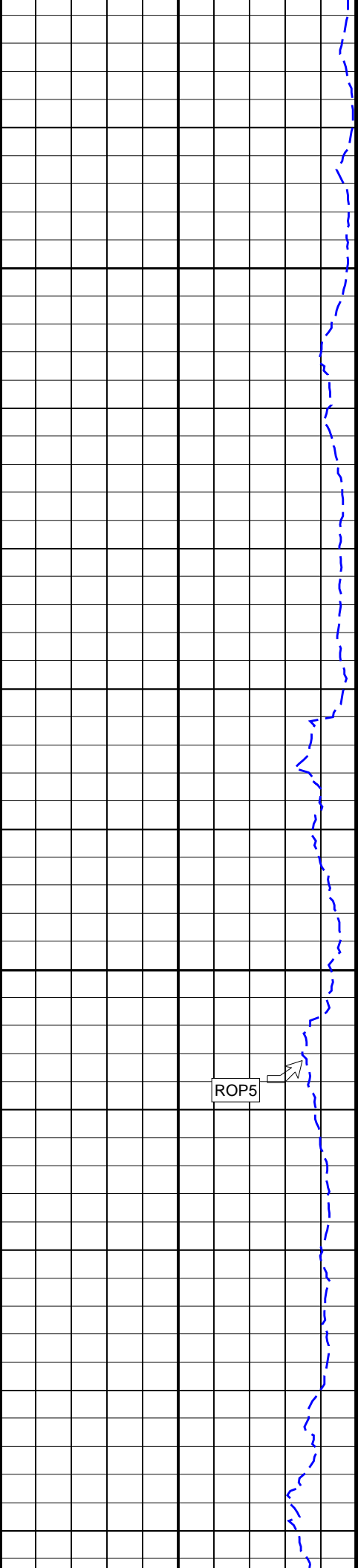


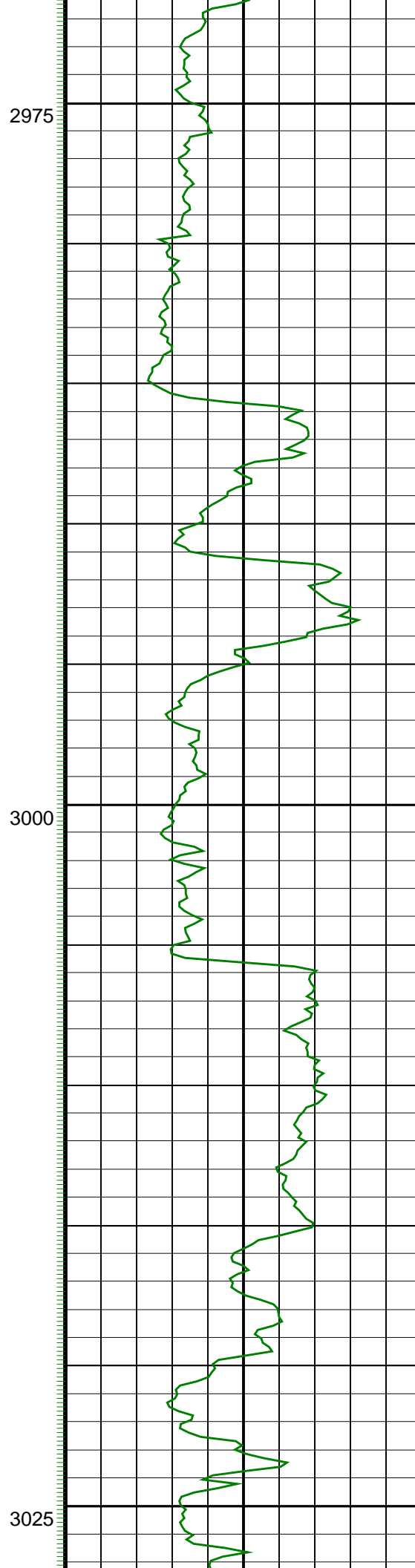
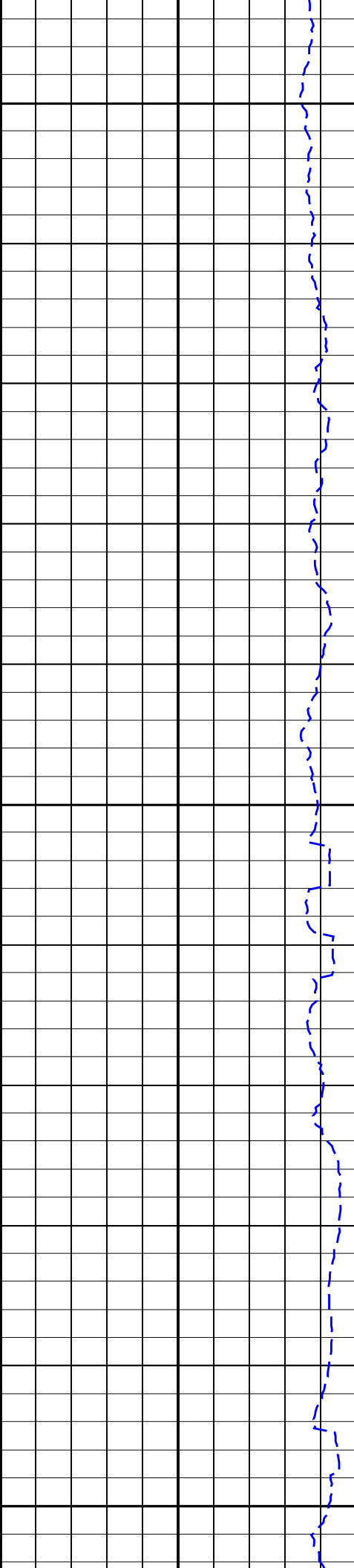


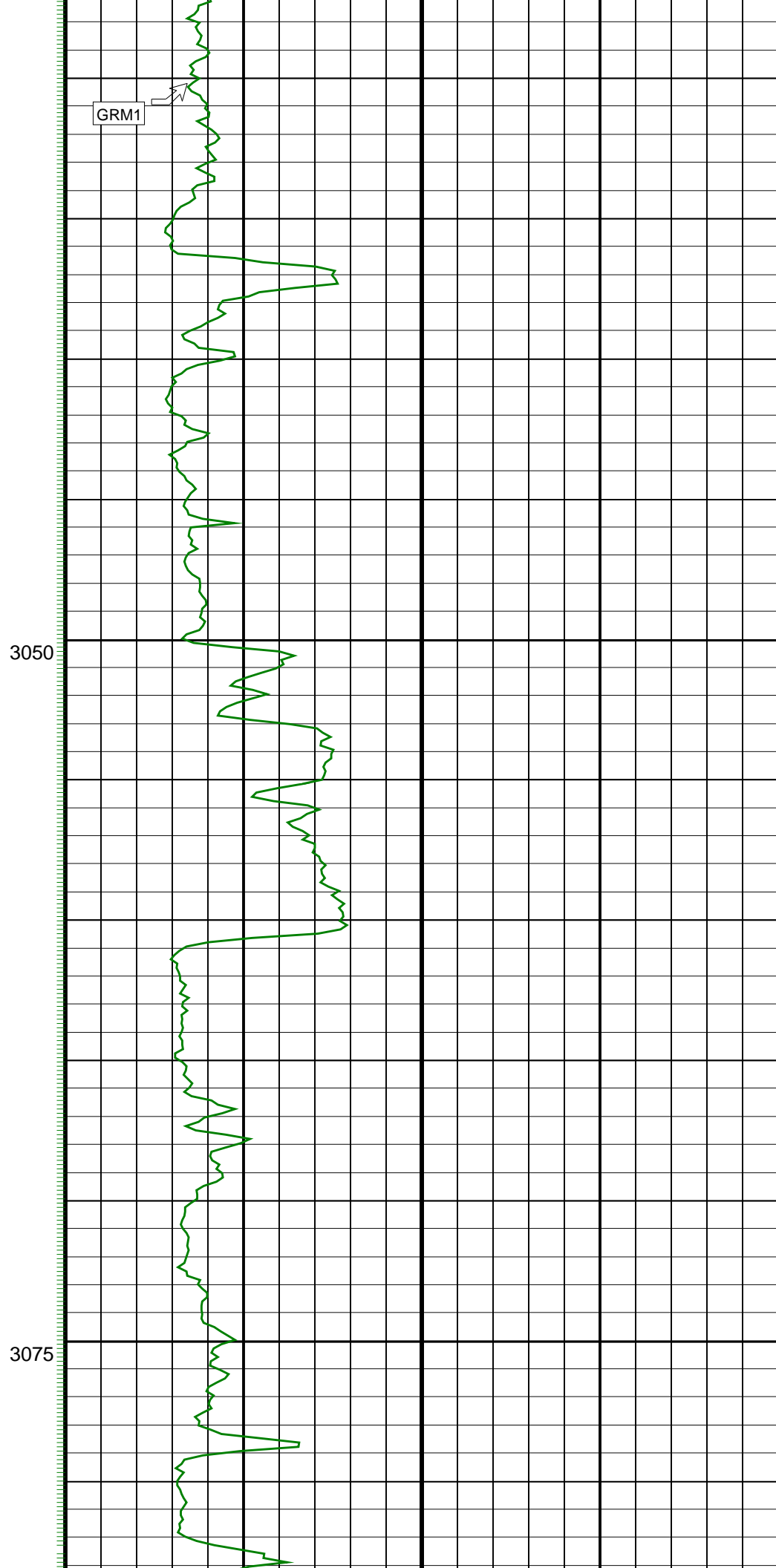
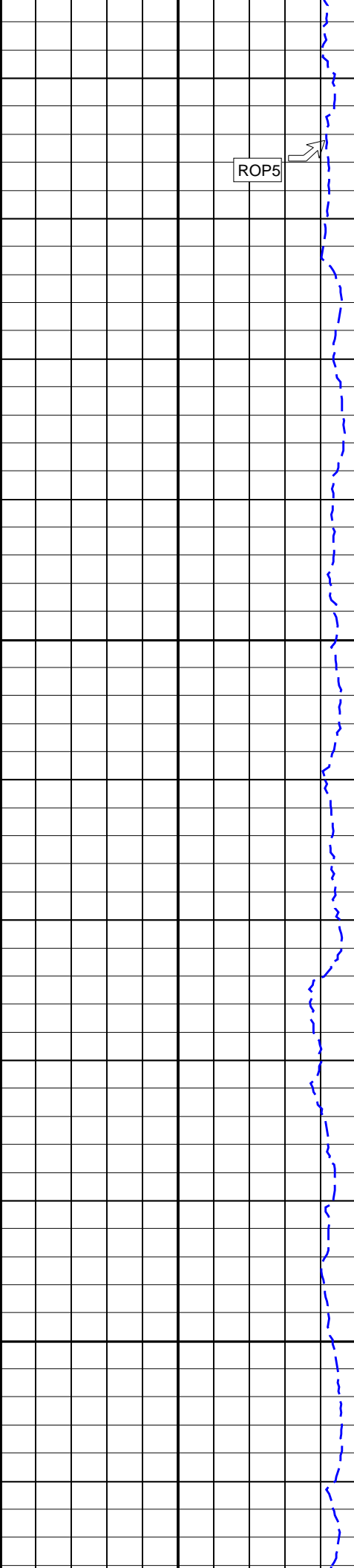


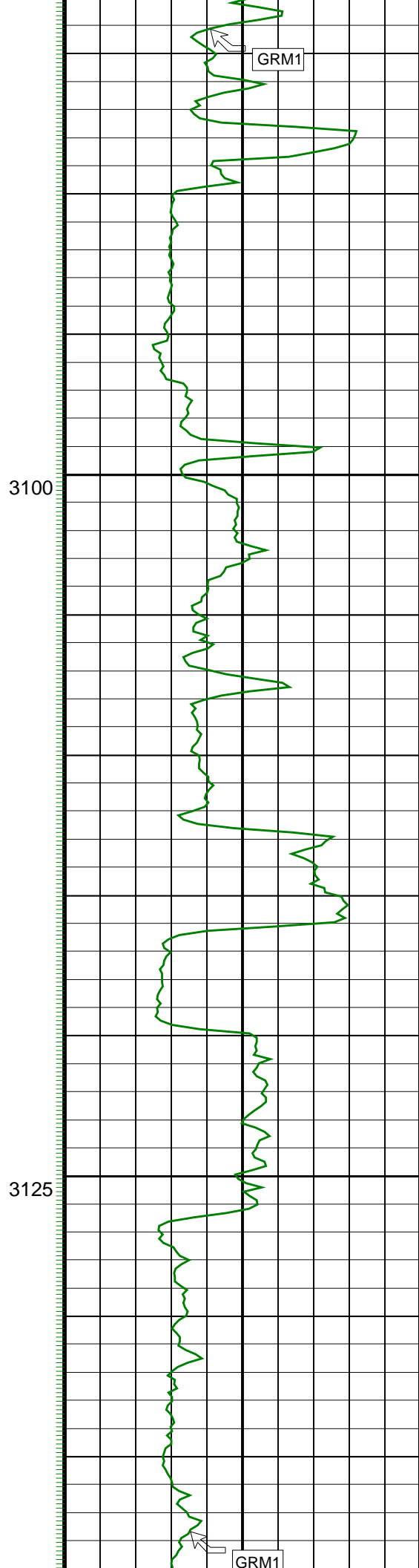
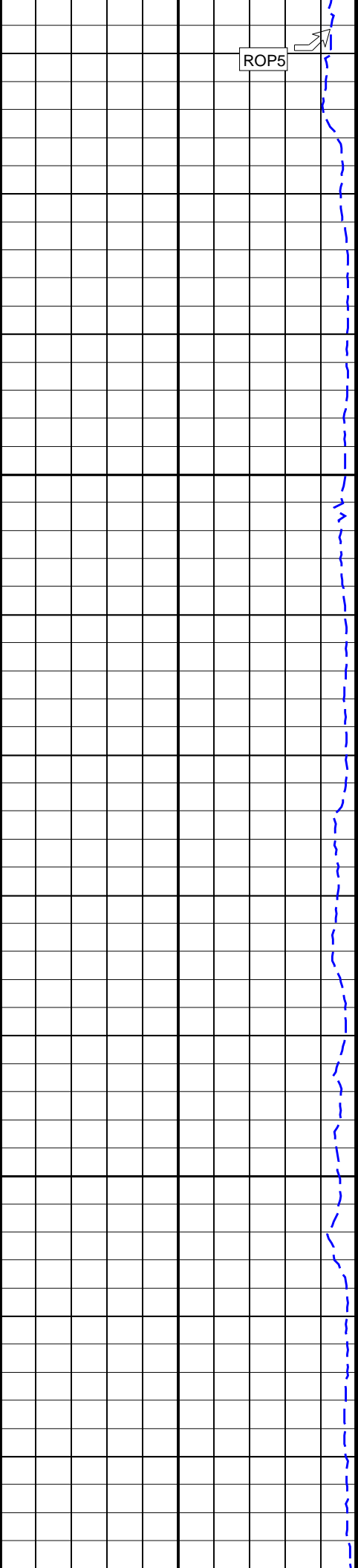


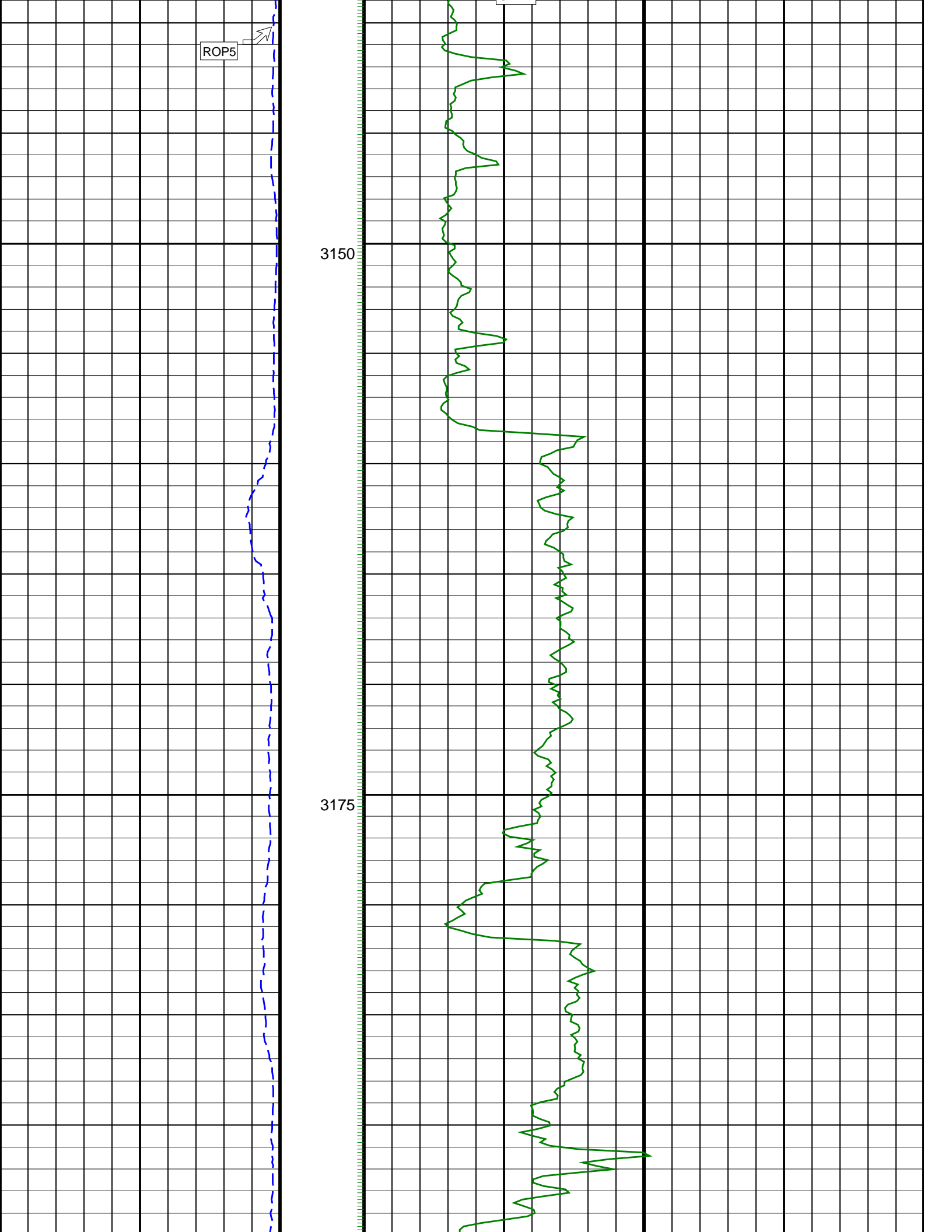


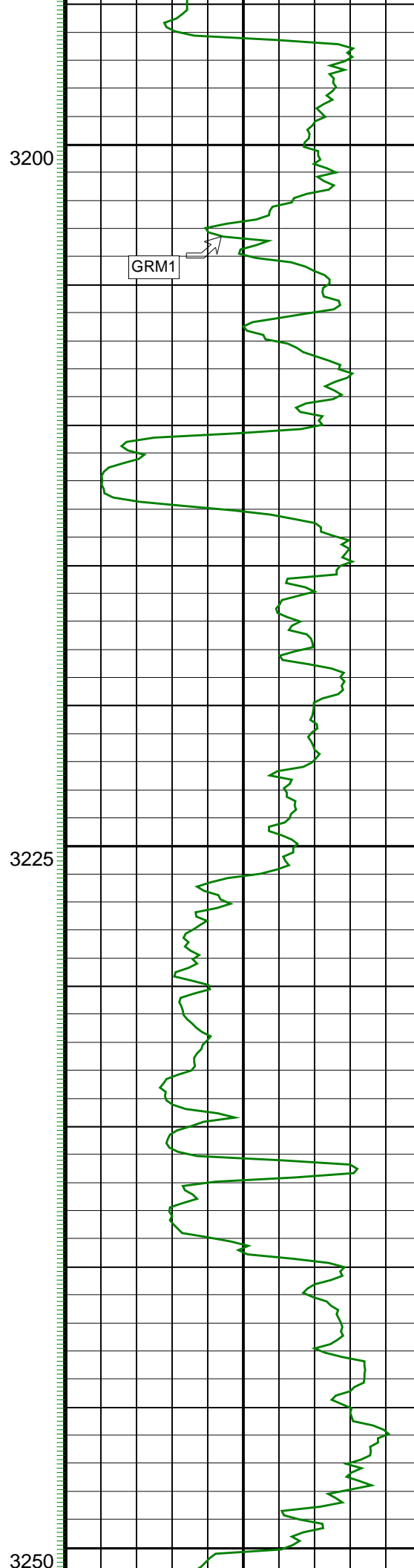
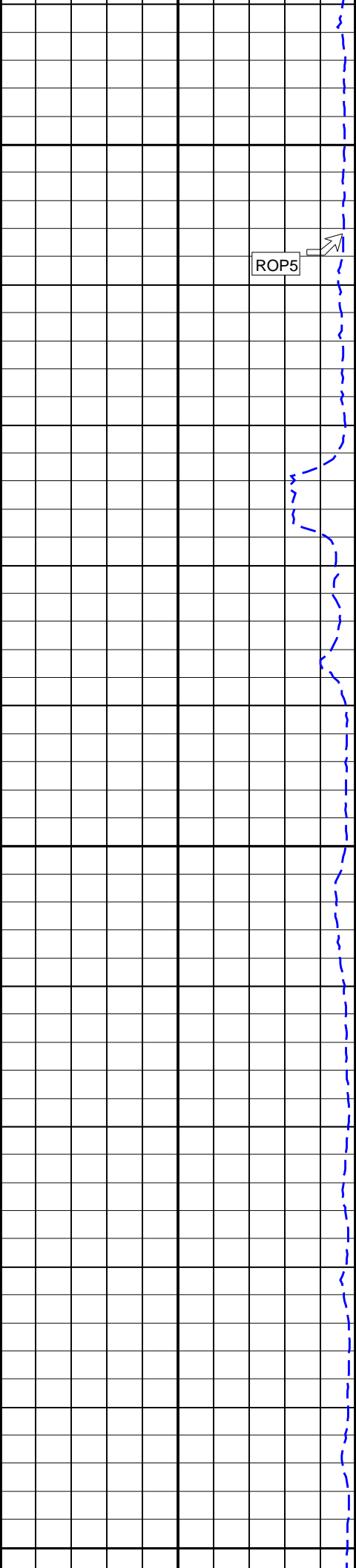


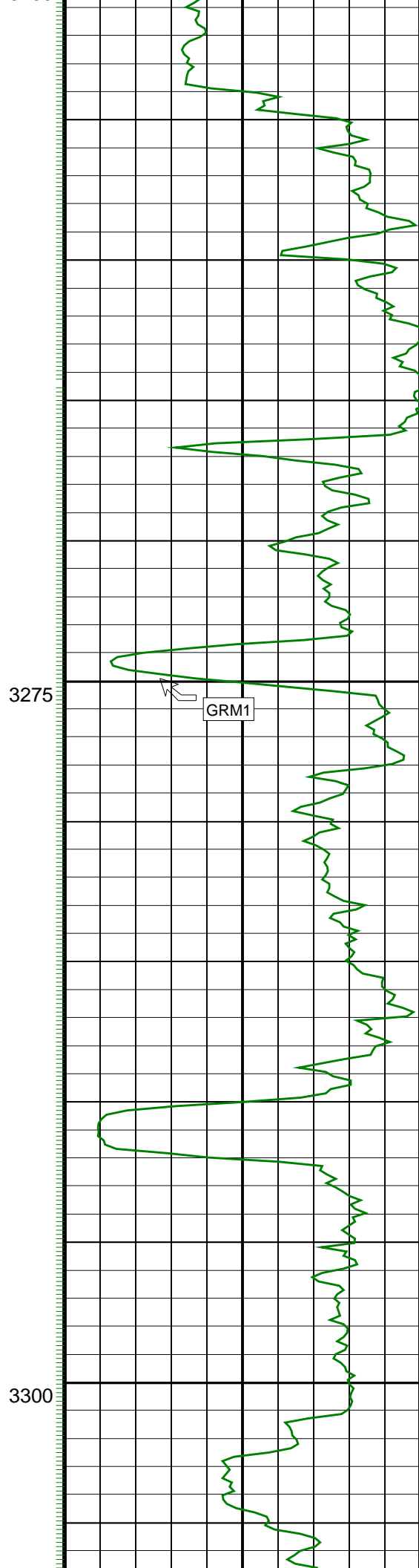
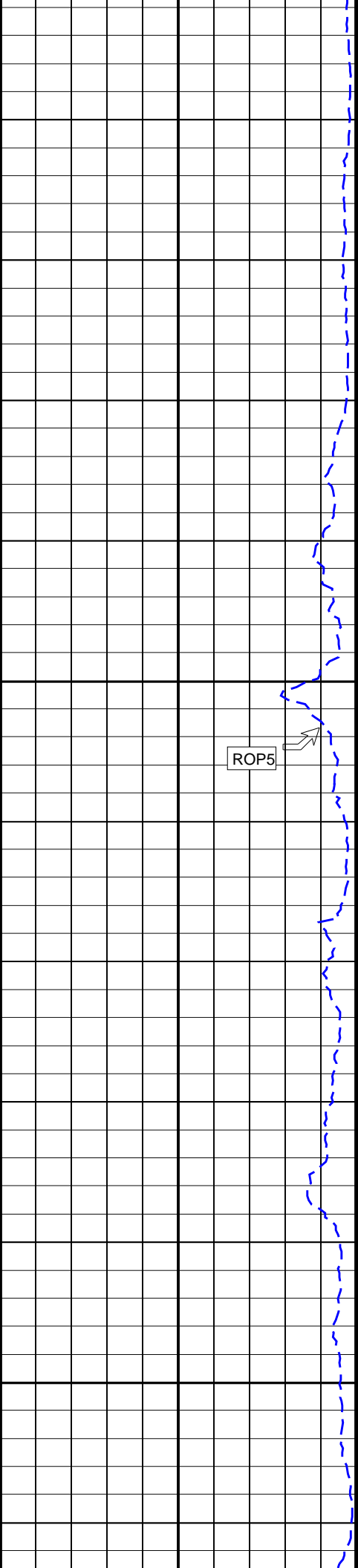


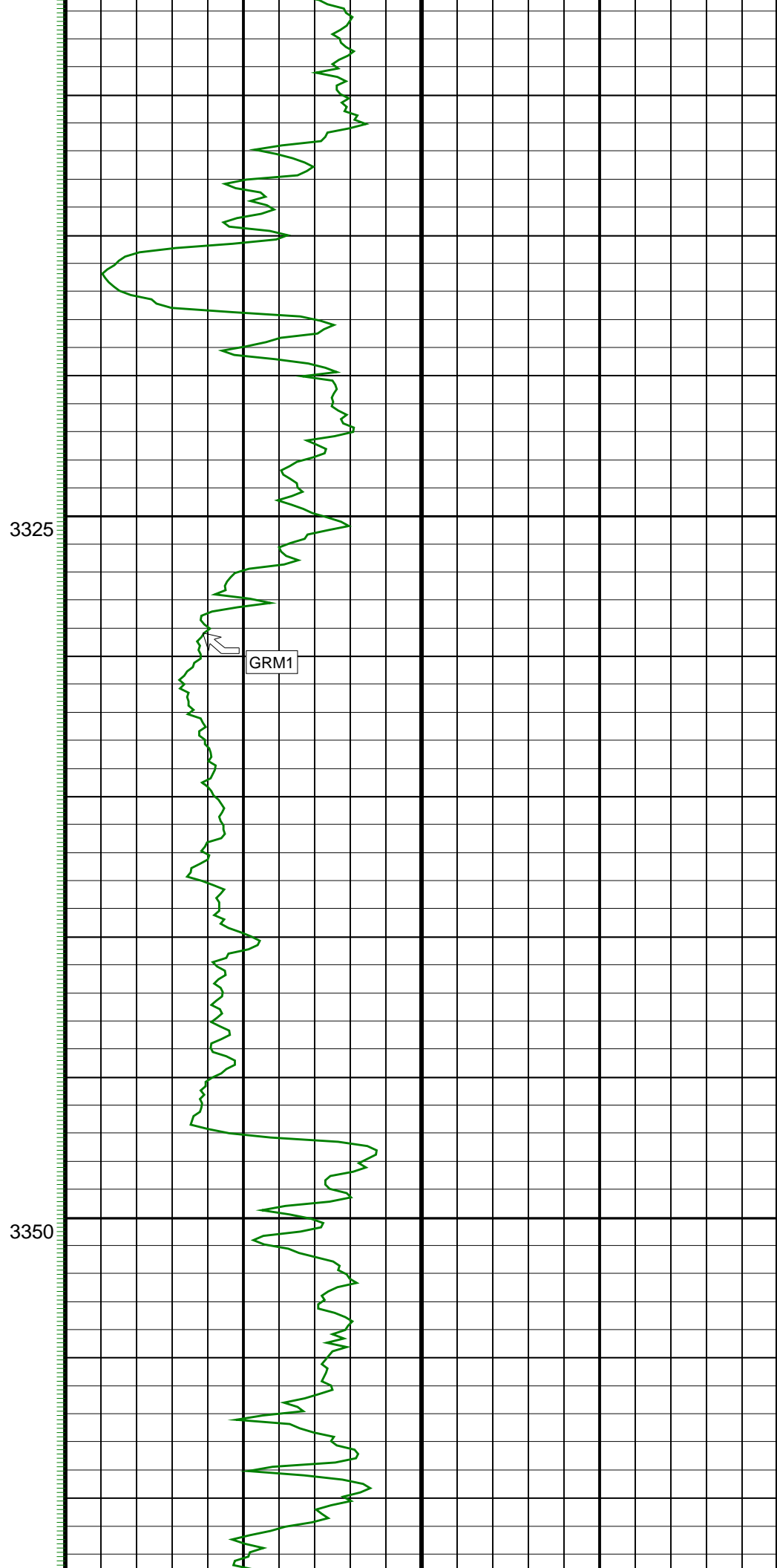
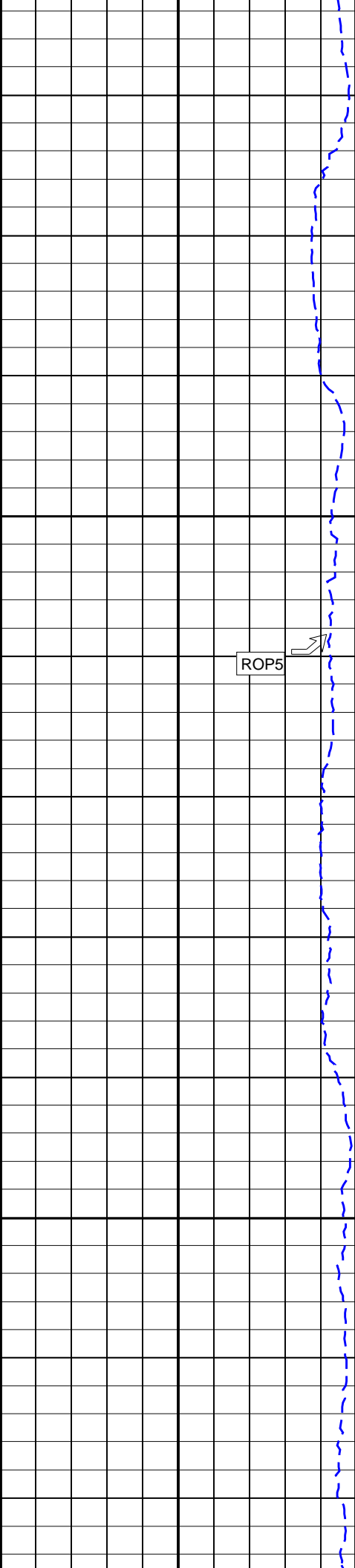


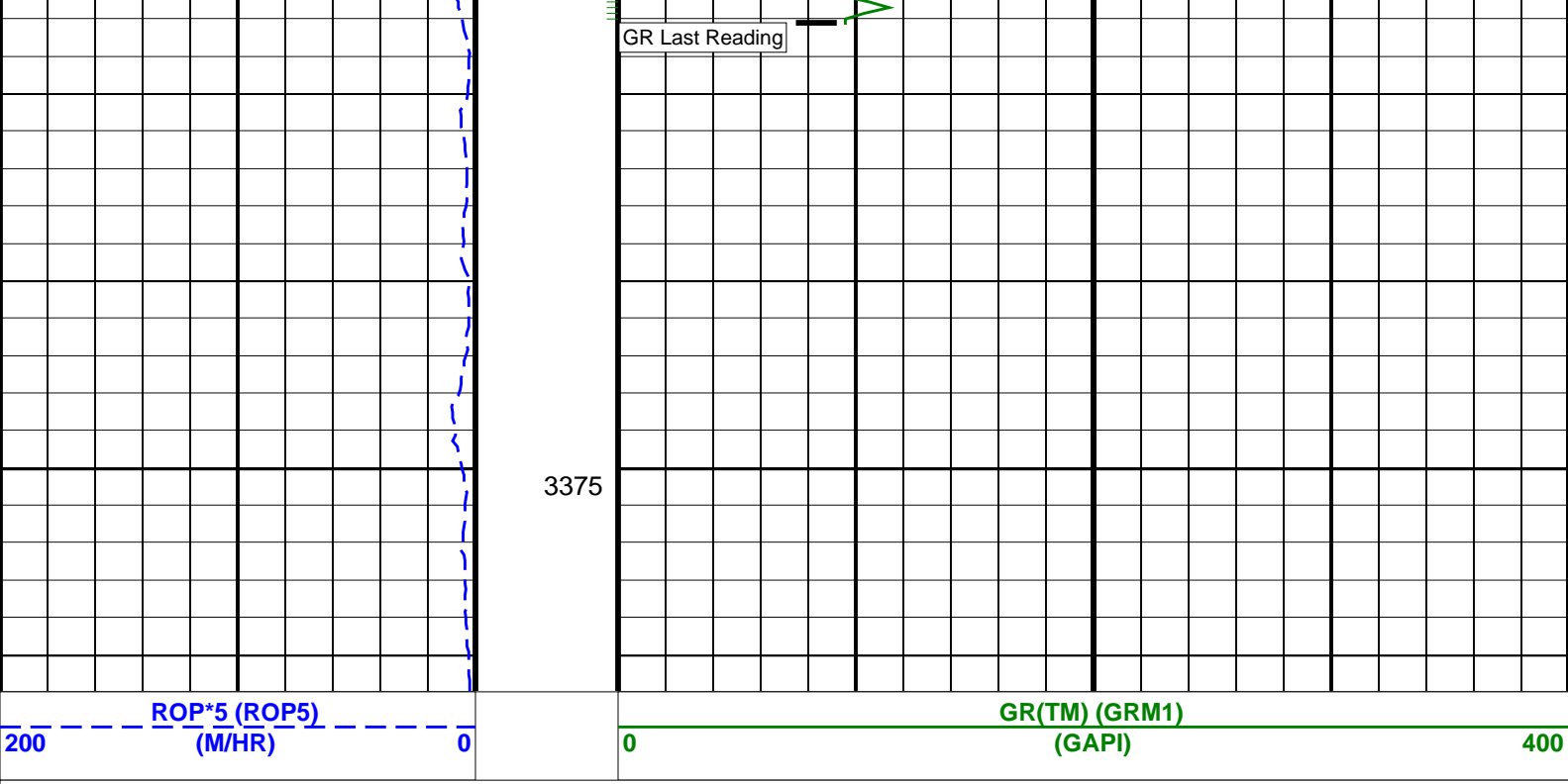












PIP SUMMARY
+ GR(TM) PIP

Company:

Well:

Field:

Rig:

State:

ESSO Australia Pty. Ltd.

BMA A10A

Bream A

ISDL 453

Victoria

Schlumberger

Gamma Ray Service
1:200 Measured Depth
Real Time Log